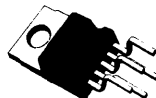


20W Hi-Fi AUDIO POWER AMPLIFIER

For complete specifications refer to "AUDIO POWER & PROCESSING ICs"

The TDA2040 is a monolithic integrated circuit in Pentawatt® package, intended for use as an audio class AB amplifier. Typically it provides 22W output power ($d = 0.5\%$) at $V_s = 32V/4\Omega$. The TDA2040 provides high output current and has very low harmonic and cross-over distortion. Further the device incorporates a patented short circuit protection system comprising an arrangement for automatically limiting the dissipated power so as to keep the working point of the output transistors within their safe operating

area. A thermal shut-down system is also included.



Pentawatt

ORDERING NUMBER: TDA2040V
TDA2040H

ABSOLUTE MAXIMUM RATINGS

V_s	Supply voltage	± 20	V
V_i	Input voltage	V_s	
V_i	Differential input voltage	± 15	V
I_o	Output peak current (internally limited)	4	A
P_{tot}	Power dissipation at $T_{case} = 75^\circ C$	25	W
T_{stg}, T_j	Storage and junction temperature	-40 to 150	$^\circ C$

TEST CIRCUIT

